

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER Morgan State 921-36M1BS
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT NATURAL BUTTES
4. TYPE OF WELL Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>		5. UNIT or COMMUNITIZATION AGREEMENT NAME
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. OPERATOR PHONE 720 929-6515
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217		9. OPERATOR E-MAIL julie.jacobson@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML 22265	11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>		19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1243 FSL 1129 FWL	SWSW	36	9.0 S	21.0 E	S
Top of Uppermost Producing Zone	1261 FSL 828 FWL	SWSW	36	9.0 S	21.0 E	S
At Total Depth	1261 FSL 828 FWL	SWSW	36	9.0 S	21.0 E	S

21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 828	23. NUMBER OF ACRES IN DRILLING UNIT 639
25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 563	26. PROPOSED DEPTH MD: 10596 TVD: 10578	
27. ELEVATION - GROUND LEVEL 5085	28. BOND NUMBER 22013542	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8496


Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 2630	28.0	J-55 LT&C	0.2	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
Prod	7.875	4.5	0 - 10596	11.6	HCP-110 LT&C	13.0	Premium Lite High Strength	320	3.38	12.0
							50/50 Poz	1530	1.31	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Danielle Piernot	TITLE Regulatory Analyst	PHONE 720 929-6156
SIGNATURE	DATE 12/20/2011	EMAIL danielle.piernot@anadarko.com
API NUMBER ASSIGNED 43047522600000	APPROVAL  Permit Manager	

T9S, R21E, S.L.B.&M.

WEST - 80.00 (G.L.O.)

N89°55'26"W - 2639.89' (Meas.)

N89°56'39"W - 2639.91' (Meas.)

Found 1"
Aluminum Cap on
5/8" Rebar. Pile
of Stones.

Found 1"
Aluminum Cap on
5/8" Rebar, with a
Stone on East
side of Cap.

Found 1977
Brass Cap.
Pile of Stones.

MORGAN STATE 921-36M1BS (Surface Position)
NAD 83 LATITUDE = 39.988787° (39° 59' 19.633")
LONGITUDE = 109.505442° (109° 30' 19.590")
NAD 27 LATITUDE = 39.988822° (39° 59' 19.759")
LONGITUDE = 109.504755° (109° 30' 17.119")

MORGAN STATE 921-36M1BS (Bottom Hole)
NAD 83 LATITUDE = 39.988824° (39° 59' 19.767")
LONGITUDE = 109.506516° (109° 30' 23.459")
NAD 27 LATITUDE = 39.988859° (39° 59' 19.893")
LONGITUDE = 109.505830° (109° 30' 20.987")

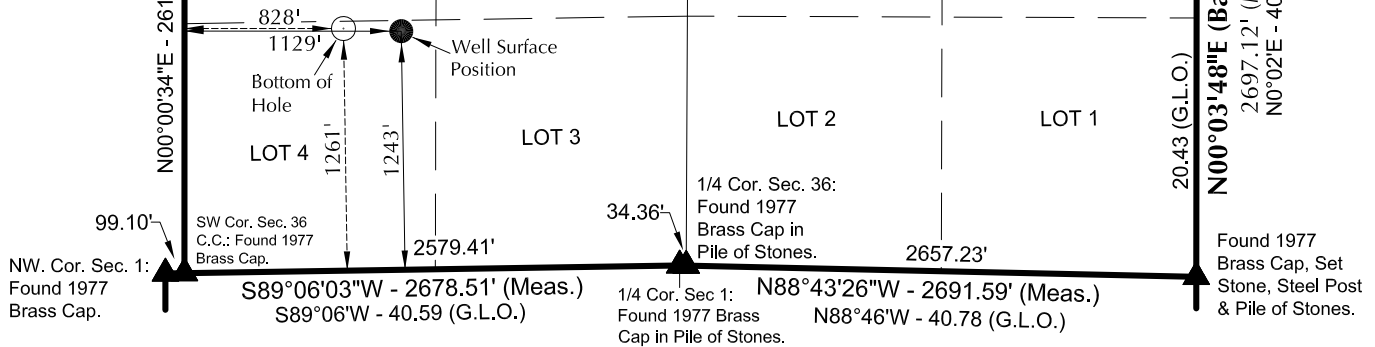
N00°03'41"W - 2641.51' (Meas.)
N00°03'E - 79.80 (G.L.O.)
N00°00'34"E - 2612.15' (Meas.)

N00°05'54"E - 2569.93' (Meas.)
N0°04'E - 38.96 (G.L.O.)

20.43 (G.L.O.)
N00°03'48"E (Basis of Bearings)
2697.12' (Measured)
N0°02'E - 40.86 (G.L.O.)

WELL LOCATION: MORGAN STATE 921-36M1BS

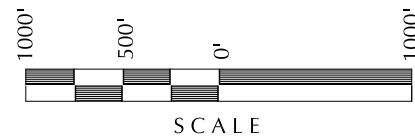
ELEV. UNGRADED GROUND = 5085.0'



NOTES:

▲ = Section Corners Located

1. Well footages are measured at right angles to the Section Lines.
2. G.L.O. distances are shown in feet or chains.
1 chain = 66 feet.
3. The Bottom of hole bears N87°23'53"W 301.47' from the Surface Position.
4. Bearings are based on Global Positioning Satellite observations.
5. Basis of elevation is Tri-Sta "Two Water" located in the NW ¼ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

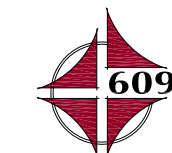
11-12-11
No. 6028691
JOHN R. SLAUGH
PROFESSIONAL LAND SURVEYOR
REGISTRATION NO. 6028691
STATE OF UTAH

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD: MORGAN STATE 921-36M

**MORGAN STATE 921-36M1BS
WELL PLAT**

**1261' FSL, 828' FWL (Bottom Hole)
LOT 4 OF SECTION 36, T9S, R21E,
S.L.B.&M., UTAH COUNTY, UTAH.**



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TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 8-29-11	SURVEYED BY: M.S.B.	SHEET NO:
DATE DRAWN: 10-26-11	DRAWN BY: T.J.R.	4
SCALE: 1" = 1000'	Date Last Revised:	4 OF 18